

Case	Age	Sex	Occupation	Duration of illness	Site of lesion	Pathological findings	Microscopic findings	Immunohistochemical findings	Diagnosis
1	65	M	Farmer	10 years	Right lower leg	Chronic inflammation	Neutrophils, monocytes, lymphocytes	CD45, CD68, CD11b	Chronic inflammation
2	72	F	Housewife	5 years	Left lower leg	Chronic inflammation	Neutrophils, monocytes, lymphocytes	CD45, CD68, CD11b	Chronic inflammation
3	68	M	Farmer	15 years	Right lower leg	Chronic inflammation	Neutrophils, monocytes, lymphocytes	CD45, CD68, CD11b	Chronic inflammation
4	70	F	Housewife	10 years	Left lower leg	Chronic inflammation	Neutrophils, monocytes, lymphocytes	CD45, CD68, CD11b	Chronic inflammation
5	65	M	Farmer	10 years	Right lower leg	Chronic inflammation	Neutrophils, monocytes, lymphocytes	CD45, CD68, CD11b	Chronic inflammation
6	72	F	Housewife	5 years	Left lower leg	Chronic inflammation	Neutrophils, monocytes, lymphocytes	CD45, CD68, CD11b	Chronic inflammation
7	68	M	Farmer	15 years	Right lower leg	Chronic inflammation	Neutrophils, monocytes, lymphocytes	CD45, CD68, CD11b	Chronic inflammation
8	70	F	Housewife	10 years	Left lower leg	Chronic inflammation	Neutrophils, monocytes, lymphocytes	CD45, CD68, CD11b	Chronic inflammation
9	65	M	Farmer	10 years	Right lower leg	Chronic inflammation	Neutrophils, monocytes, lymphocytes	CD45, CD68, CD11b	Chronic inflammation
10	72	F	Housewife	5 years	Left lower leg	Chronic inflammation	Neutrophils, monocytes, lymphocytes	CD45, CD68, CD11b	Chronic inflammation

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+1      P E L Y K D L L M Y T *
      CCAGAATTGTACAAGGACCTACTGATGTACACTTGA (SEQ ID NO: 1)
      GGTCTTAACATGTTCTGGATGACTACATGTGAACT (SEQ ID NO: 2)
           610           620           630           640           650           660

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Figure 2. FGF-23

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1  ATGCGCCGCGCCTGTGGCTGGGCCTGGCCTGGCTGCTGGCGCGGGCGCCGGACGCC 60
1  M R R R L W L G L A W L L L A R A P D A 20

61  GCGGGAACCCGAGCGCGTGGCGGGACCGCGCAGCTACCGCACCTGGAGGGCGACGTG 120
21  A G T P S A S R G P R S Y P H L E G D V 40

121  CGCTGGCGGCGCCTCTTCTCTCTCACTCACTTCTTCTGCGCGTGGATCCCGGCGGCCG 180
41  R W R R L F S S T H F F L R V D P G G R 60

181  GTGCAGGGCAGCCGCTGGCGCCACGGCCAGGACAGCATCTGGAGATCCGCTCTGTACAC 240
61  V Q G T R W R H G Q D S I L E I R S V H 80

241  GTGGGCGTCTGGTGCATCAAGCAGTGTCTCAGGCTTCTACGTGGCCATGAACCGCCGG 300
81  V G V V V I K A V S S G F Y V A M N R R 100

301  GGCGCCTCTACGGGTCGCGACTCTACACCGTGGACTGCAGGTTCCGGGAGCGCATCGAA 360
101  G R L Y G S R L Y T V D C R F R E R I E 120

361  GAGAACGGCCACAACACCTACGCCTCACAGCGCTGGCGCCGCCGCGGCCAGCCCATGTT 420
121  E N G H N T Y A S Q R W R R R G Q P M F 140

421  CTGGCGCTGGACAGGAGGGGGGGCCCCGCCAGGCGGCCGGACGCGGCGGTACCACCTG 480
141  L A L D R R G G P R P G G R T R R Y H L 160

481  TCCGCCCACTTCTGCCCCGTCTGGTCTCTGA 513 (SEQ ID NO: 3)
161  S A H F L P V L V S * 171 (SEQ ID NO: 4)

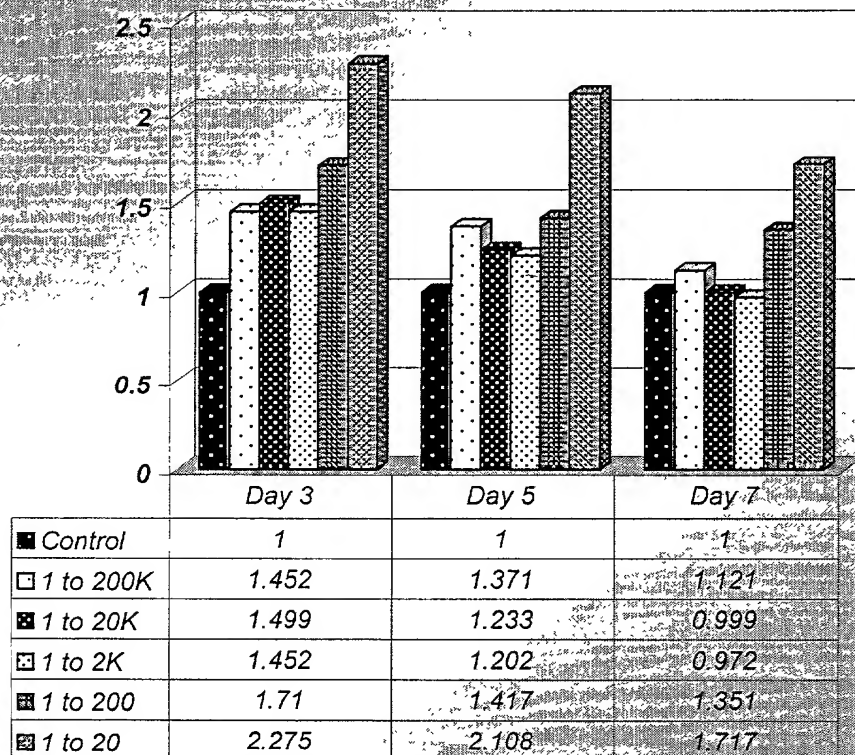
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fgf-21	MAPLAEVGGF	LGGLEGLGQQ	VGSHFLLPPA	GERPPLLGER	RSAAERSA.R
fgf-9	MAPLGEVGNV	FGVQDAV..P	FGNVPVLPV.	.DSPVLLSDH	LGQSEAGGLP
fgf-16	~~~MAEVGGV	FASLDWDLHG	FSSSLGNVPL	ADSPGFLNER	LGQIEGKLQR
fgf-22	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~
xfgf-20	MAPLADVGTF	LGGYDALG.Q	VGSHFLLPPA	KDSPLLFNNDP	LAQSERLS.R
fgf-21	GGPGAAQLAH	LHGILRRRQL	YCRTGFHLQI	LPDGSVQGTR	QDHSLFGILE
fgf-9	RGPAVTDLDH	LKGILRRRQL	YCRTGFHLEI	FPNGTIQGTR	KDHSRFGILE
fgf-16	GSP..TDFAH	LKGILRRRQL	YCRTGFHLEI	FPNGTVHGTR	HDHSRFGILE
fgf-22	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~XGMLA
xfgf-20	SAP..SDLSH	LQGILRRRQL	YCRTGFHLQI	LPDGNVQGTR	QDHSRFGILE
fgf-21	FISVAVGLVS	IRGVDSGLYL	GMNDKGELYG	SEKLTSECIF	REQFEENWYN
fgf-9	FISIAVGLVS	IRGVDSGLYL	GMNEKGELYG	SEKLTQECVF	REQFEENWYN
fgf-16	FISLAVGLIS	IRGVDSGLYL	GMNERGELYG	SKKLTRECVF	REQFEENWYN
fgf-22	SYSVAVAMVT	TRGVASRLYL	DSNHKGDLYA	SVRLAQESVF	WGQSEENWSY
xfgf-20	FISVAIGLVS	IRGVDTGLYL	GMNDKGELFG	SEKLTSECIF	REQFEENWYN
fgf-21	TYSSNIYKHG	DTGRRYFVAL	NKDGTPRDGA	RSKRHQKFTH	FLPRPVDPER
fgf-9	TYSSNLYKHV	DTGRRYYVAL	NKDGTREGT	RTKRHQKFTH	FLPRPVDPAK
fgf-16	TYASTLYKHS	DSERQYYVAL	NKDGSREGY	RTKRHQKFTH	FLPRPVDPAK
fgf-22	THSSNLYKHV	DTRRRYYVPL	NQGATPSAGT	RSLRRQNYTH	VLPRPVDPAK
xfgf-20	TYSSNLYKHG	DSGRRYFVAL	NKDGTREGT	RAKRHQKFTH	FLPRPVDPAK
fgf-21	VPELYKDILM	YT*	(SEQ ID NO: 2)		
fgf-9	VPELYKDILS	QS*	(SEQ ID NO: 5)		
fgf-16	LPSMSRDLFH	YR*	(SEQ ID NO: 6)		
fgf-22	VPELYKDILS	QS*	(SEQ ID NO: 7)		
xfgf-20	VPELYKDLMG	YS*	(SEQ ID NO: 8)		

FIG. 3

A



B

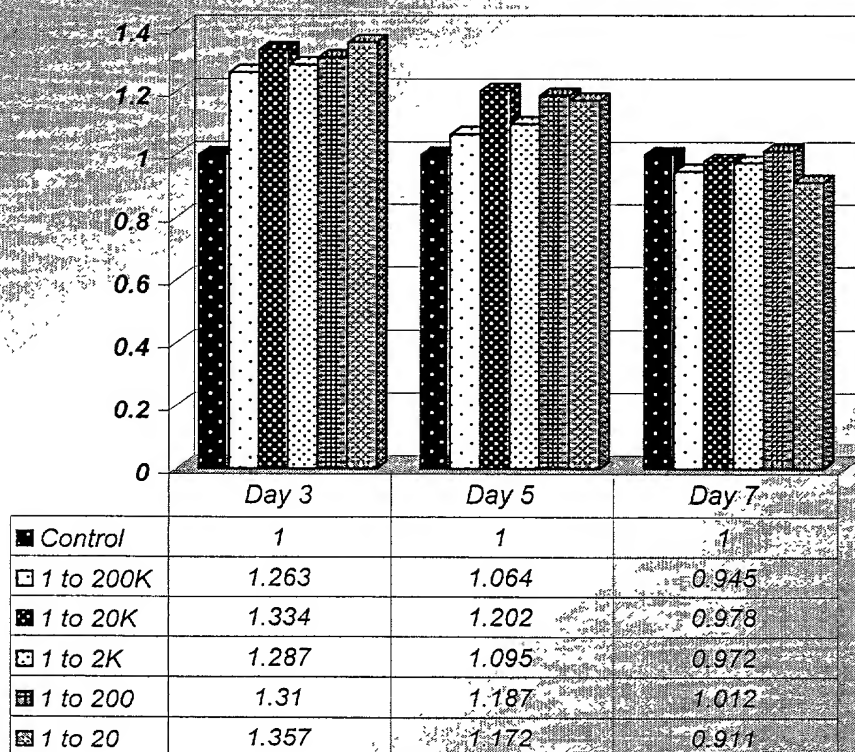


FIG. 4

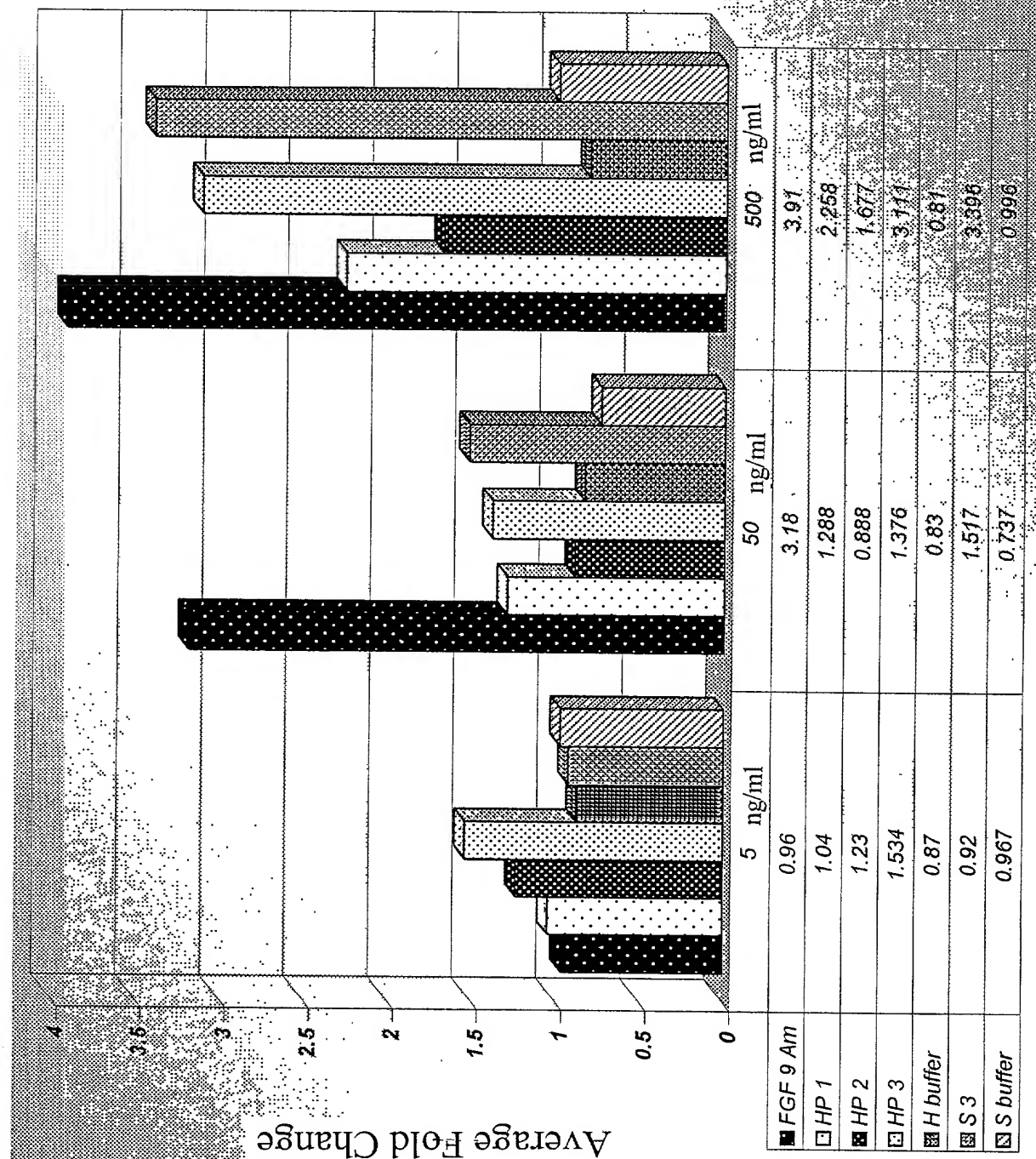


FIG. 5

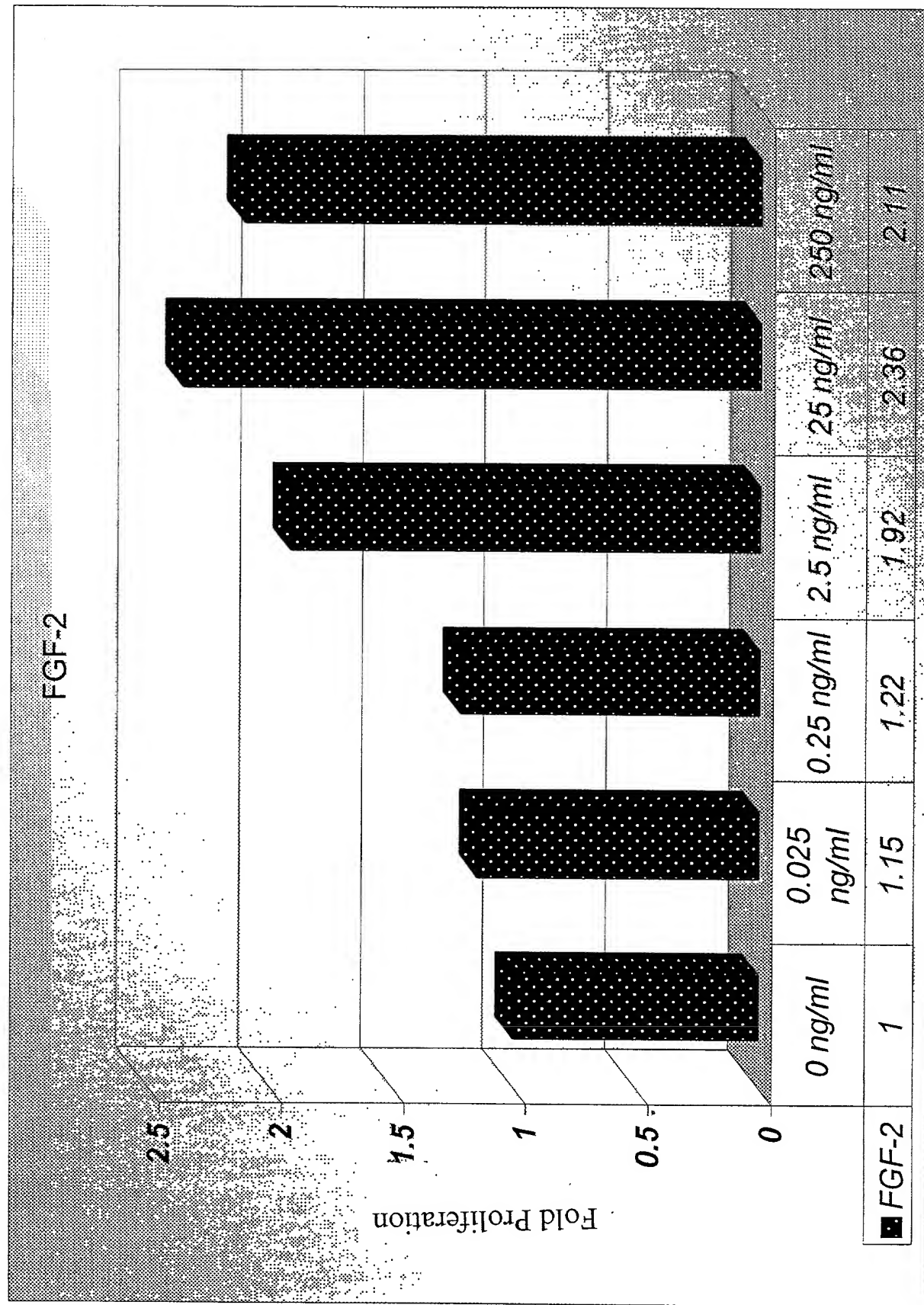


FIG. 6A

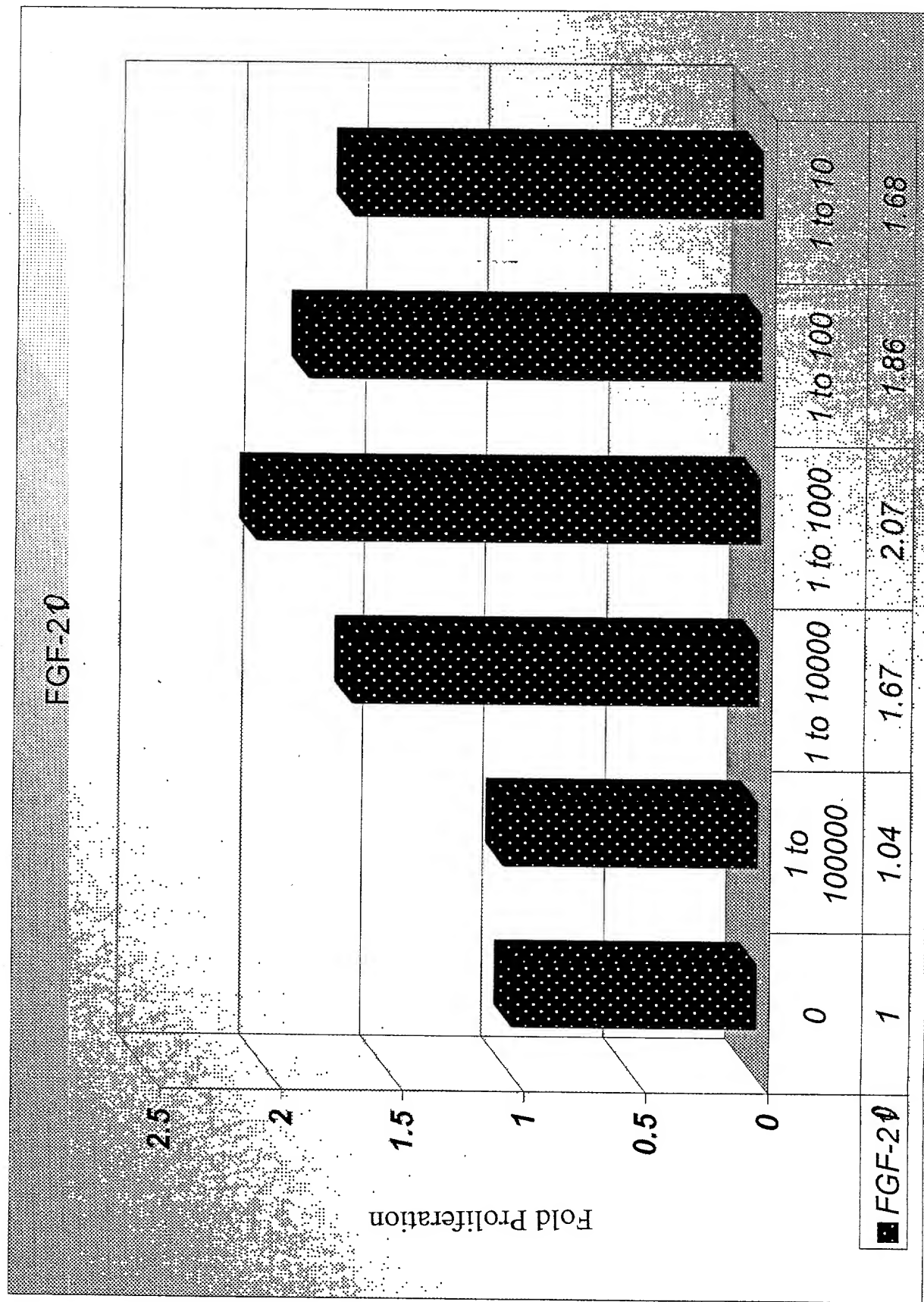


FIG. 6B



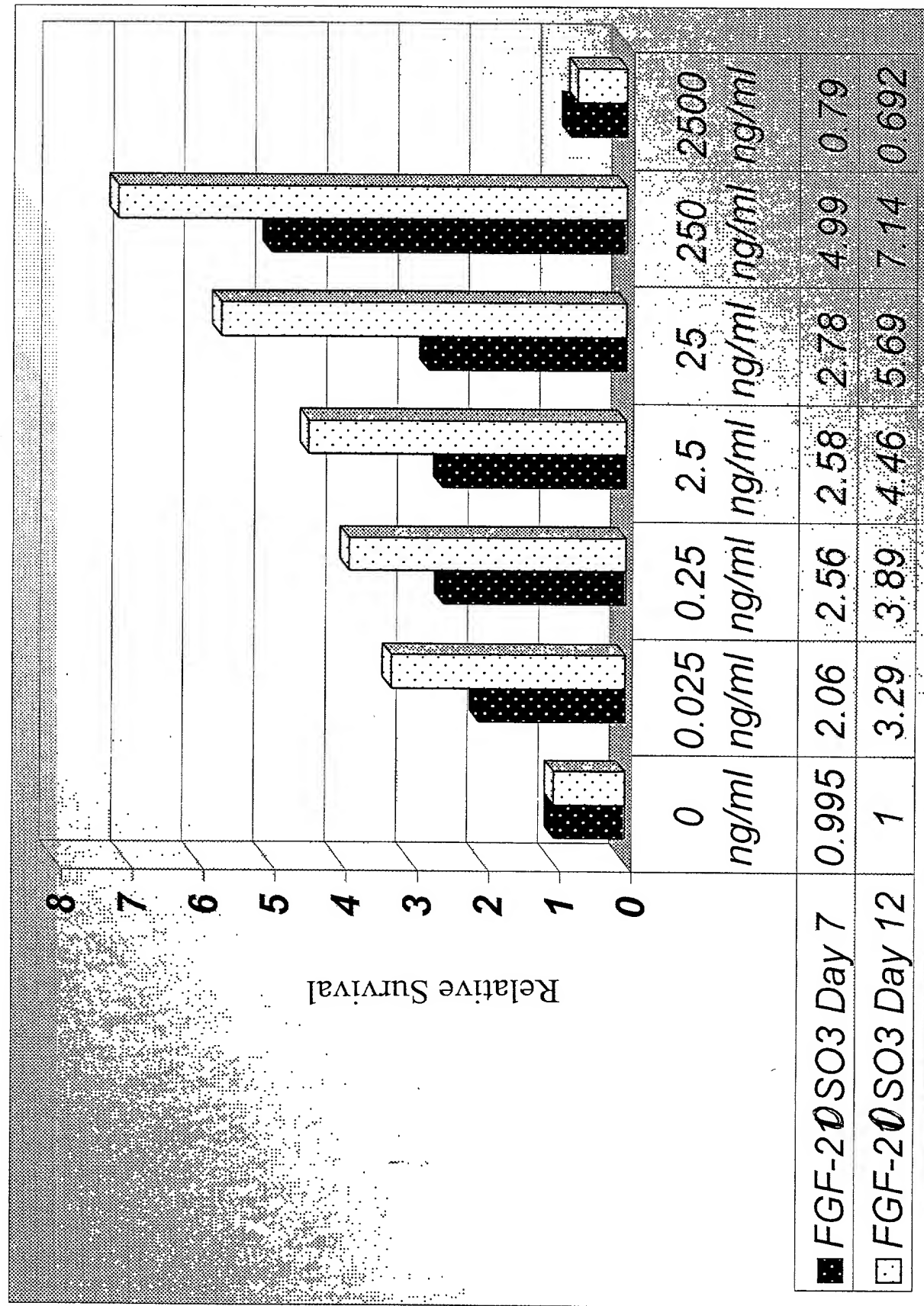


FIG. 7A



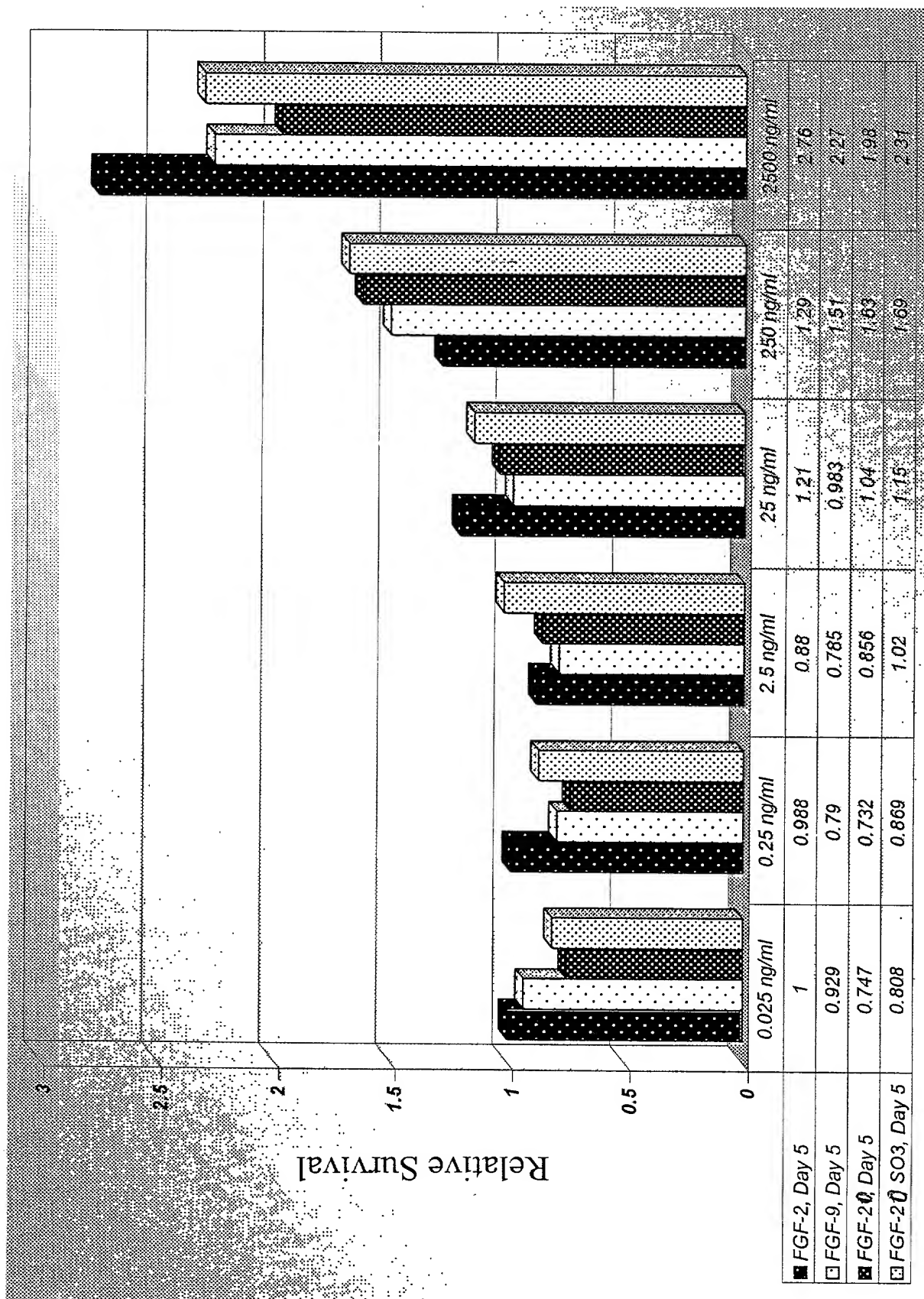


FIG. 7B

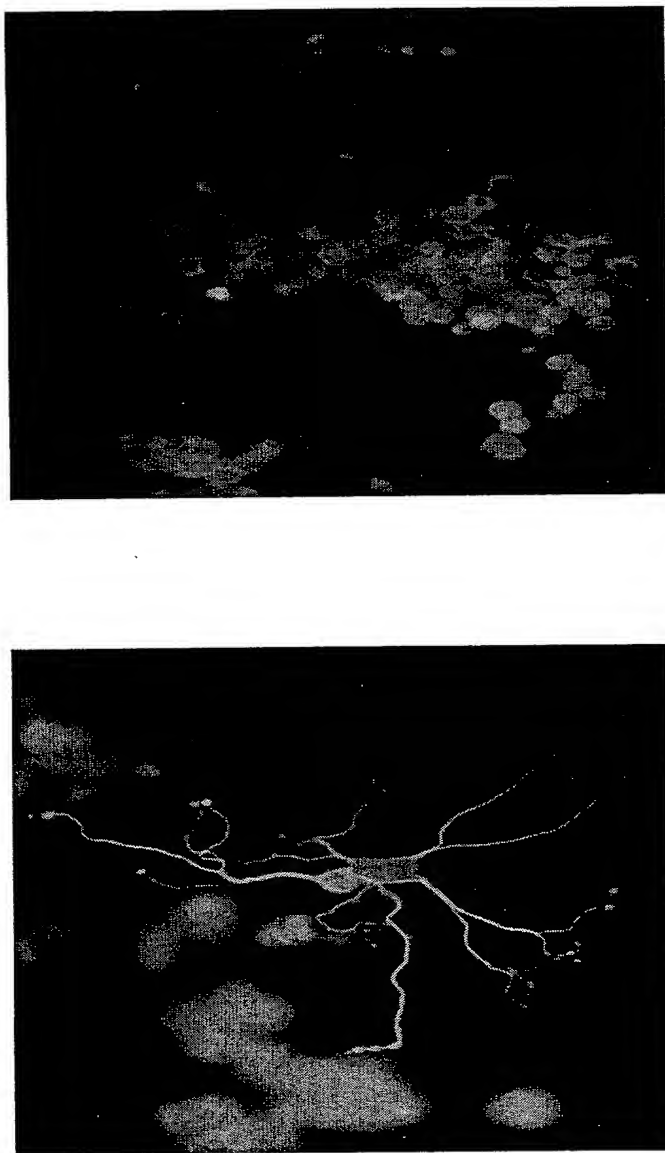


FIG. 8

Primary Rat Neurons Treated with Growth Factors for 5 Days

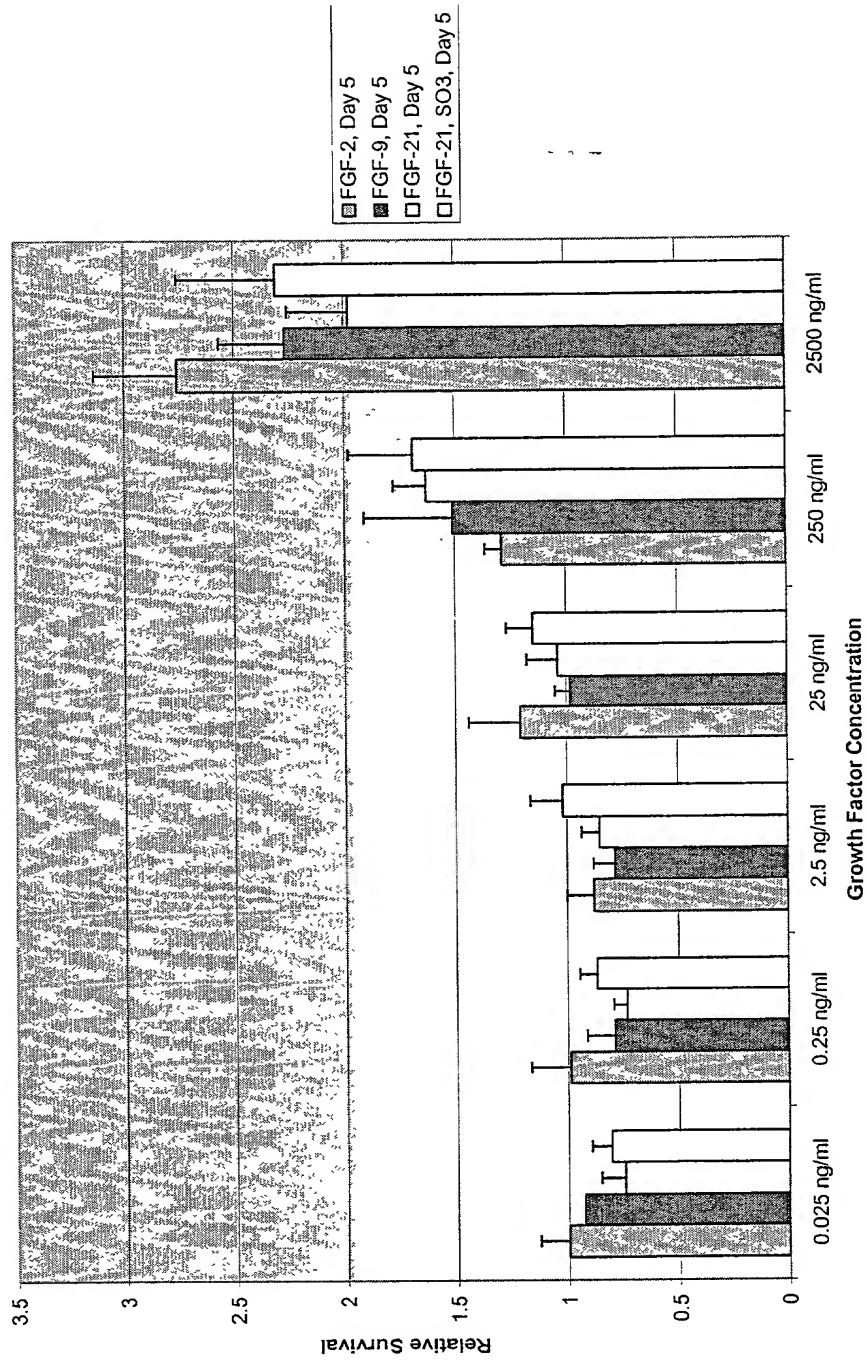


FIG. 9